

CTC ACG ATG ACC AGG TGT GCT CTG CTG CTG ATG GTC CTG ATG TTG GGC AGA GTC CTG
 M T R C A L L L L M M L L G R V L

10

GTT GTC CCA GTG ACC CCT ATC CCA ACC TTC CAG CTG CGC CCT CAG AAT TCT CCC CAG ACC
 V P V T P I P T F Q L R P P Q N S P Q T

20

ACT CCC CGA CCT GCG GCC TCA GAG AGC CCC TCA GCT GCT CCC TGG GCT GCC
 T P R P A A S E S P S A A P T W P W A A

40

CAG AGC CAC TGC AGC CCC ACC CGC CAC CCT GGC TCG GGC ATT GTC CTA TCG CTG GAT GTC
 Q S H C S P T R H P G S R I V L S L D V

60

CCC ATC GGC CTC TTG CAG ATC TTA CTG GAG CAA GCC CGG GCC AGG GCT GCC AGG GAG CAG
 P I G L L Q I L L L E Q A R A R A R E Q

80

GCC ACC ACC AAC GCC CGC ATC CTG GCC CGT GTC GGC CAC TGC TGA GCC TGA GAG AGG GGG
 A T T N A R R A R V G H C * (SEQ ID NO:2)

100

TCA CAG TGA TAG GGC CAC CCT GGA TGG GAA GAC CTG GAG (SEQ ID NO:1)

Fig. 1

CTC ACG ATG ACC AGG TGT GCT CTG CTG TTG CTG ATG GTC CTG ATG TTG GGC AGA GTC CTG
 M T R C A L L L L L L M M L G R V L
 10
 20 GTT GTC CCA GTG ACC CCT ATC CCA ACC TTC CAG CTC CGC CCT CAG AAT TCT CCC CAG ACC
 V P V T P I P T F Q L R P Q N S P Q T
 30
 40 ACT CCC CGA CCT GCG GCC TCA GAG AGC CCC TCA GCT GCT CCC ACA TGG CCG TGG GCT GCC
 T P R P A A S E S P S A A A P T W P W A A
 50
 60 CAG AGC CAC TGC AGC CCC ACC CGC CAC CCT GGC TCG CGC ATT GTC CTA TCG CTG GAT GTC
 Q S H C S P T R H P G S R I V L S L D V
 70
 80 CCC ATC GGC CTC TTG CAG ATC TTA CTG GAG CAA GCC CGG GCC AGG GCT GCC AGG GAG CAG
 P I G L L Q I L L L E Q A R A R A R E Q
 90
 100 GCC ACC AAC GCC CGC ATC CTG GCC CGT GTC GGC CAC TGC TGA GCC TGA GAG AGG GGG
 A T T N A R I L A R V G H C * (SEQ ID NO:2)
 110
 TCA CAG TGA TAG GGC CAC CCT GGA TGG GAA GAC CTG GAG (SEQ ID NO:1)

Fig. 2

hURP	TVLSLDVPIGLLQILLLEQARARAAREQATTNARILARV	38/38	(SEQ	ID NO:	4)
hUcn	DNPSLSIDLTFHLLRTRLLELARTQSQRERAQNRIIFDSV	16/38	(SEQ	ID NO:	5)
hCRF	SEPPISLIDLTFHLLREVLFMARAEQLAQOAHSNRKLMEII	13/38	(SEQ	ID NO:	6)
cUro	NDDPPISIDLTFHLLRNMIEMARNENQREQAFLNRKYLDIV	14/38	(SEQ	ID NO:	7)
fSv9	-EGPPISIDLSLELLRKMIETIEKQEKQQAANNRLLEDTI	10/38	(SEQ	ID NO:	8)
dCRF/Uro	PAETPNSLIDLTFHLLREMIEIIAKHENQMQQADSNNRRIMDTI	12/38	(SEQ	ID NO:	9)

Fig. 3

MTRWALVVFVVLMLDRILFVPGTPIPTFQLLPQNSLETPP 40
 SSVTSESSSGTTTGPSASWSNSKASPYLDTRVILSLDVPI 80
 GLLRILLEQARYKAARNQAATNAQILAHVGRR (SEQ ID NO: 10) 112

Fig. 4A

mouse Ucn II:	VILSLDVPIGLLIRILLEQARYKAARNQAATNAQILAHV	•	(SEQ ID NO: 10)
human URP:	IVLSLDVPIGLLQILILEQARARAAREQATTNARTLARV	•	(SEQ ID NO: 11)
fish URP:	LTLSLDVPTNIMNVLFDVAKAKNLRAKAAENARLLAHI	•	(SEQ ID NO: 12)
rat Ucn:	DDPPLSIDLTFHLLRTTLELARTQSQRERAEQNRIIFDSV	•	(SEQ ID NO: 13)
r/hCRF:	SEEPISLDLTFHLLREVLEMARAEQLAQQAHSNRKLMEII	•	(SEQ ID NO: 14)

Fig. 4B

Displacement of ¹²⁵I-Sauvagine binding to CRF-R1

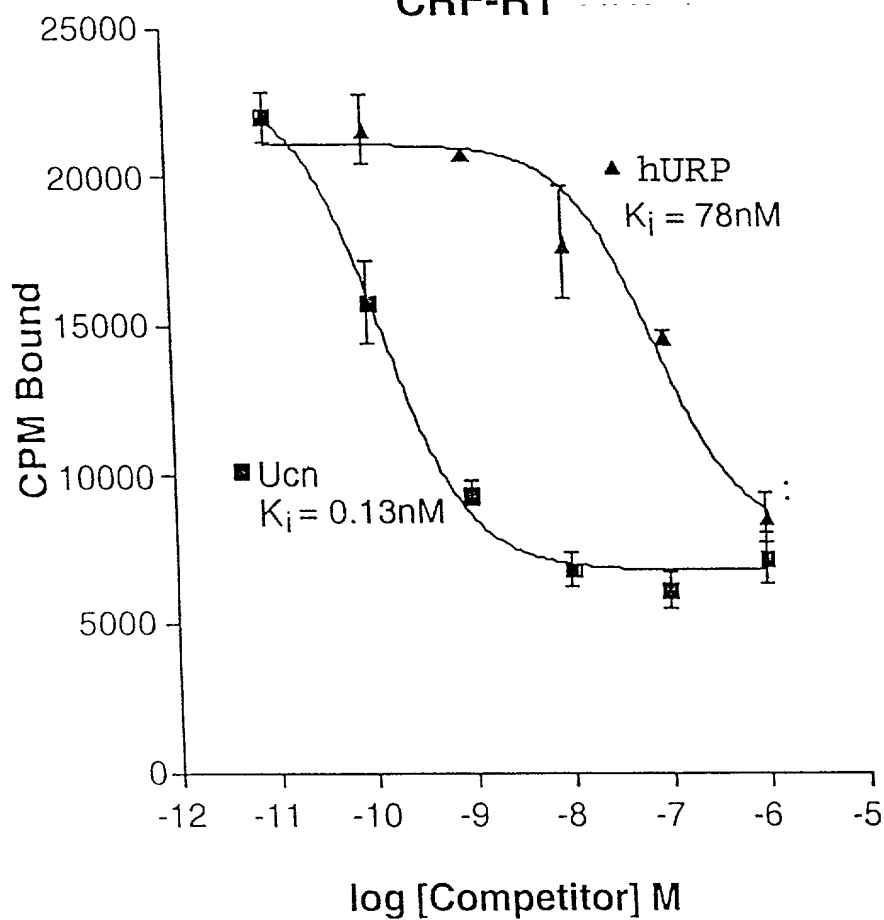


Fig. 5A

Displacement of ^{125}I -Sauvagine binding to CRFR2 β

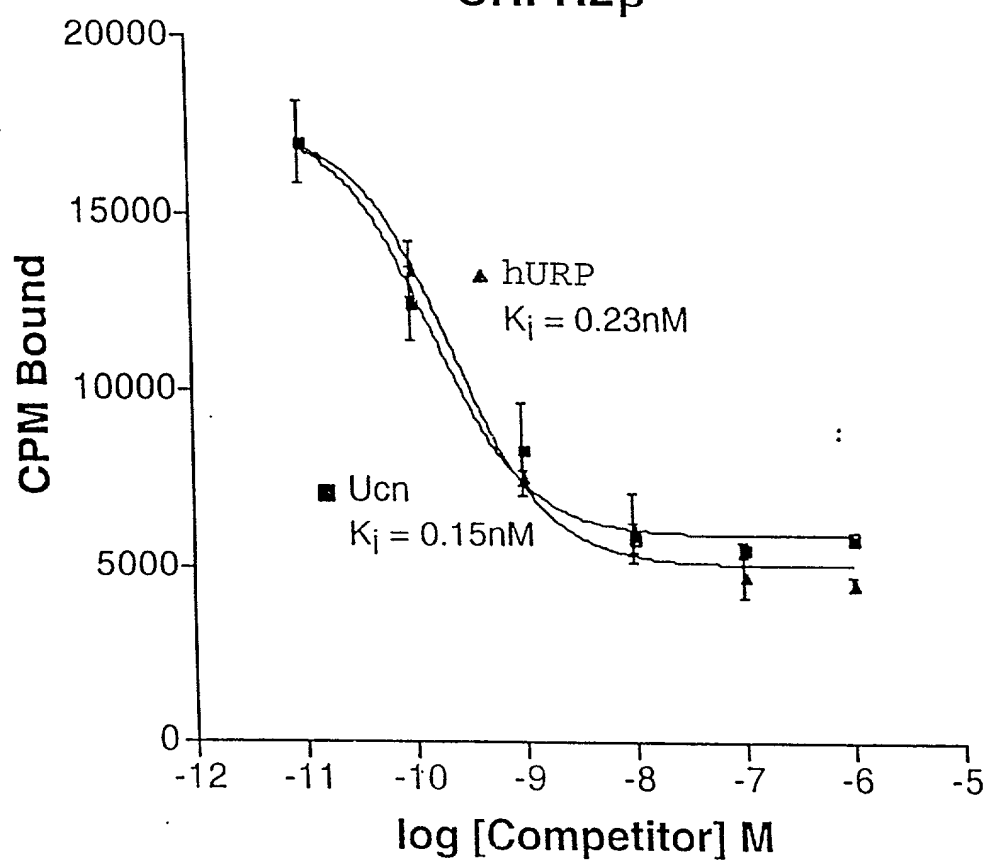


Fig. 5B

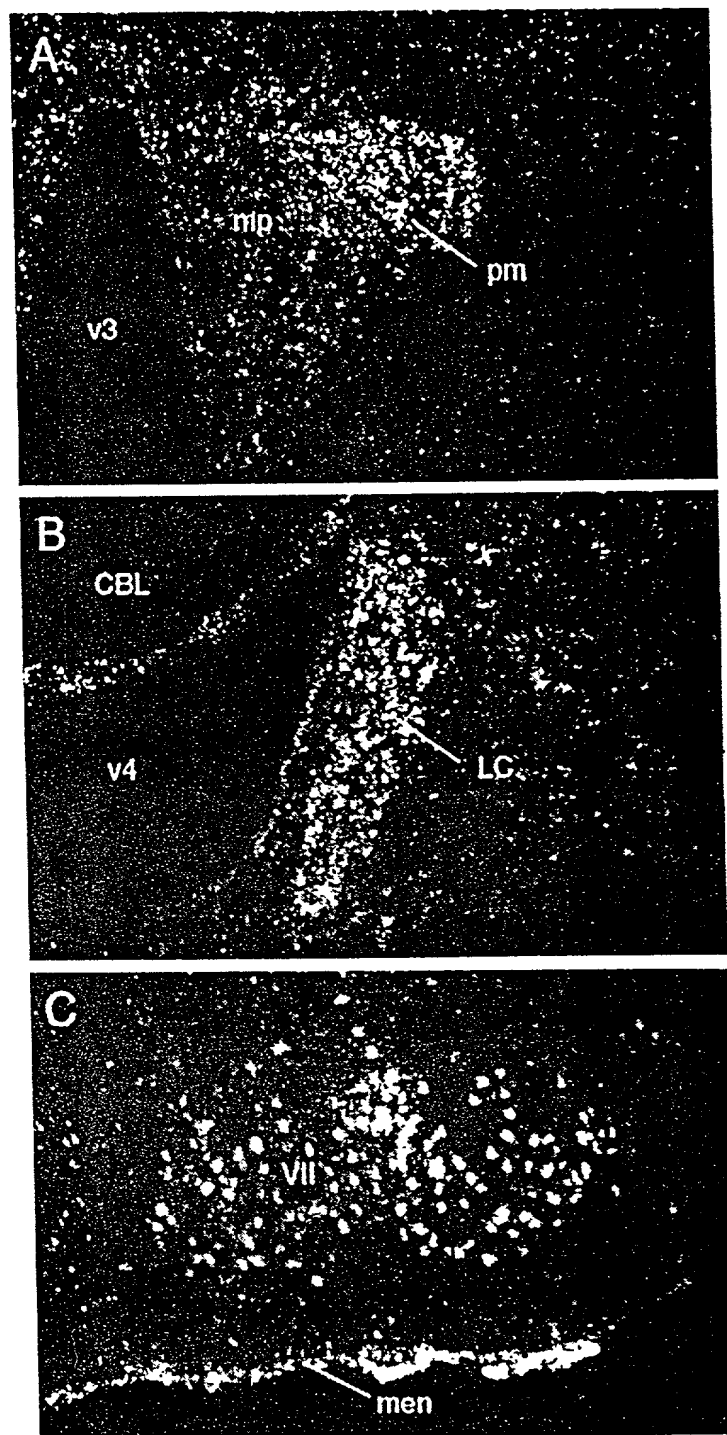


Fig. 6

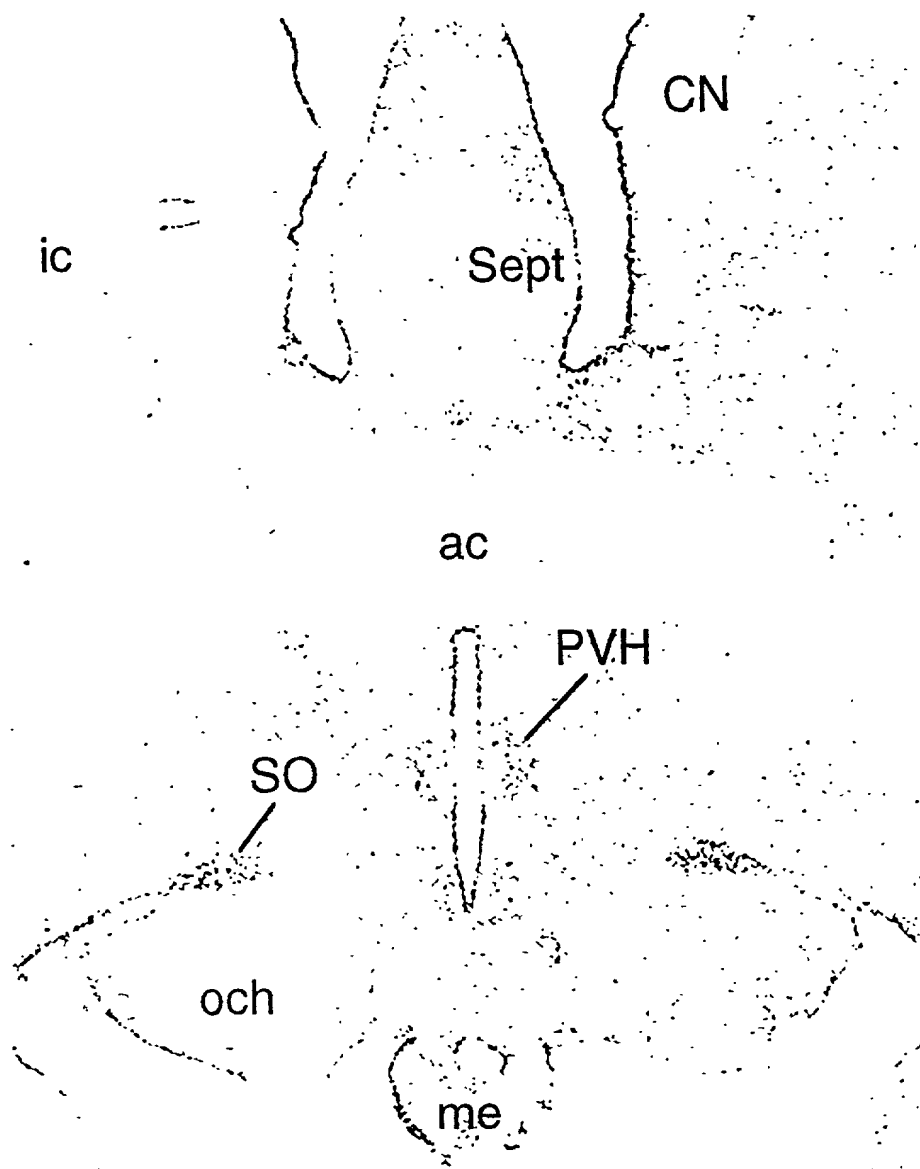


Fig. 7

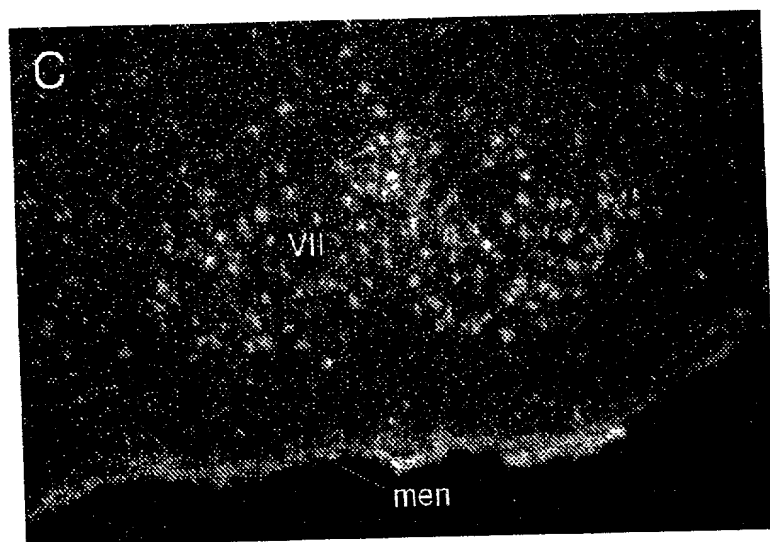
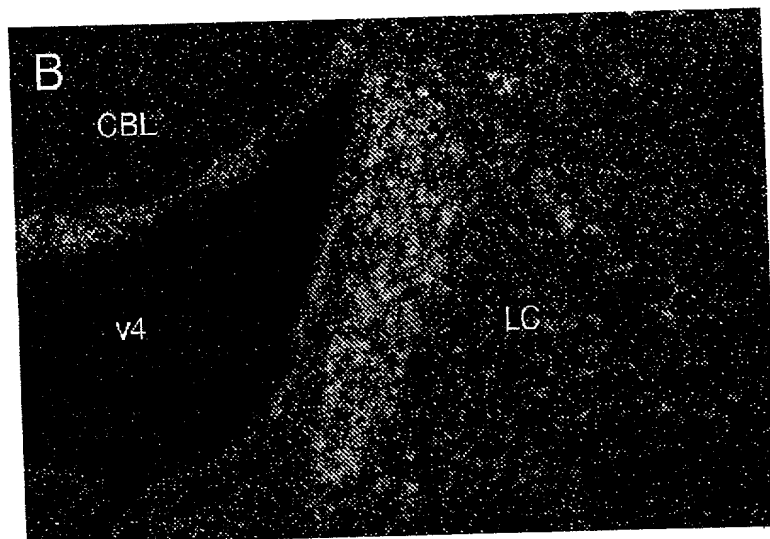
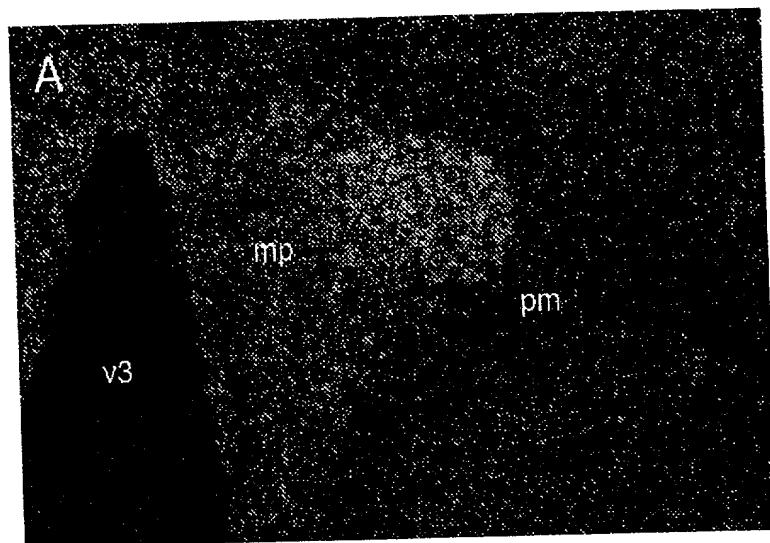


Fig. 8

BST

PVH

BSTov

ic

pm

fx

V3

CP

AHA

ac

CeA

PBI

PBel

CeAm

BLA

scp

LC

NTS

AP

V4

ep

LC

ts

DMX

CC

Fig. 9

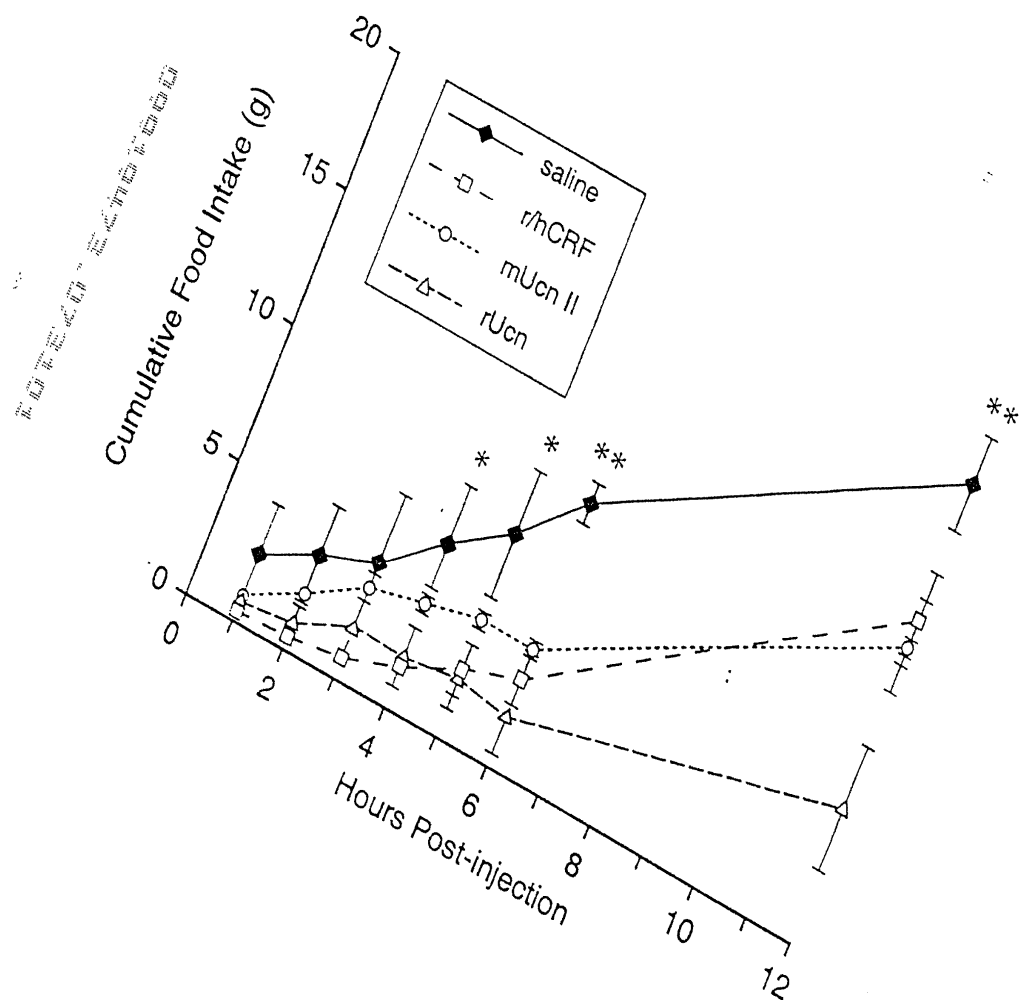


Fig. 10A

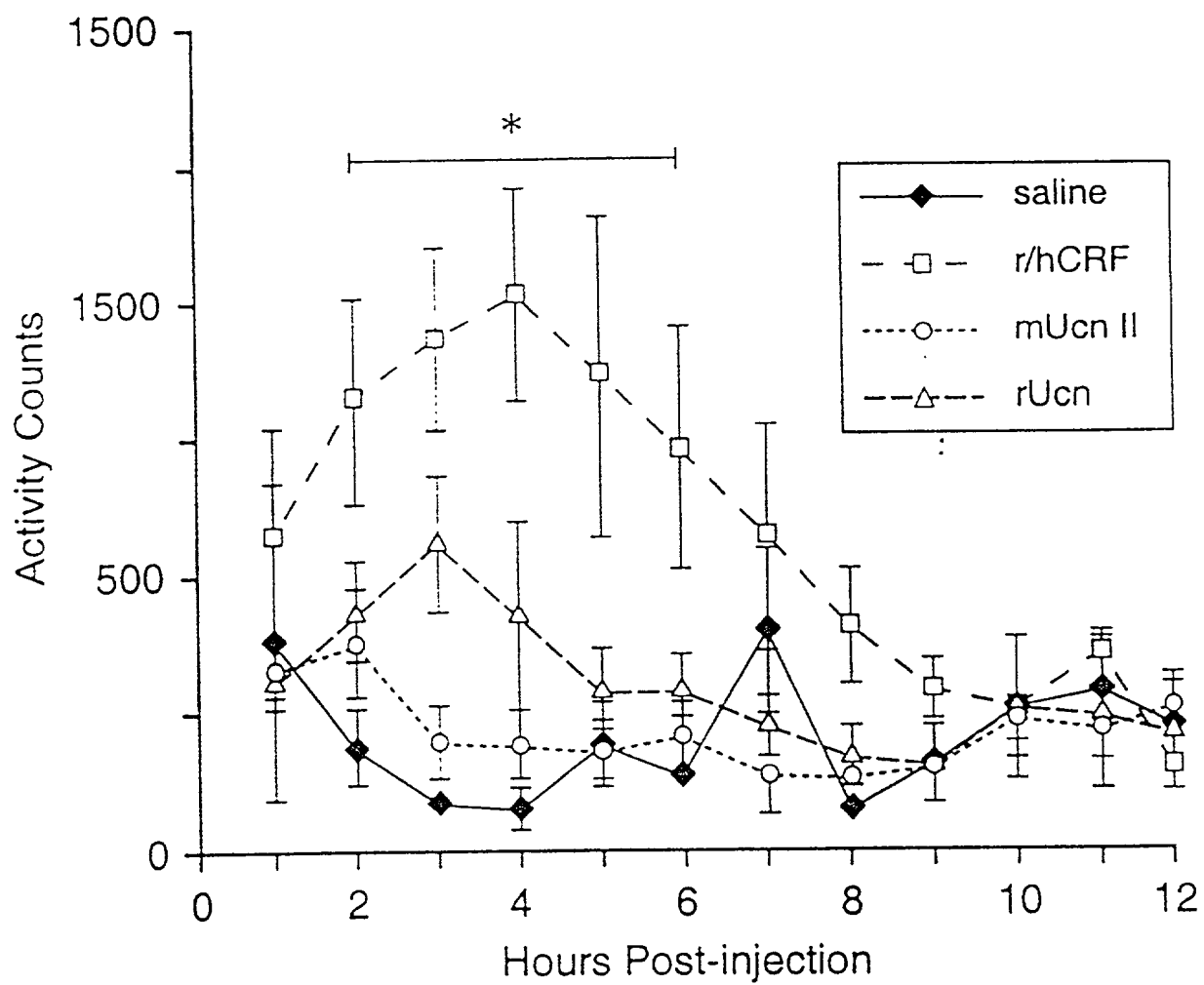


Fig. 10B

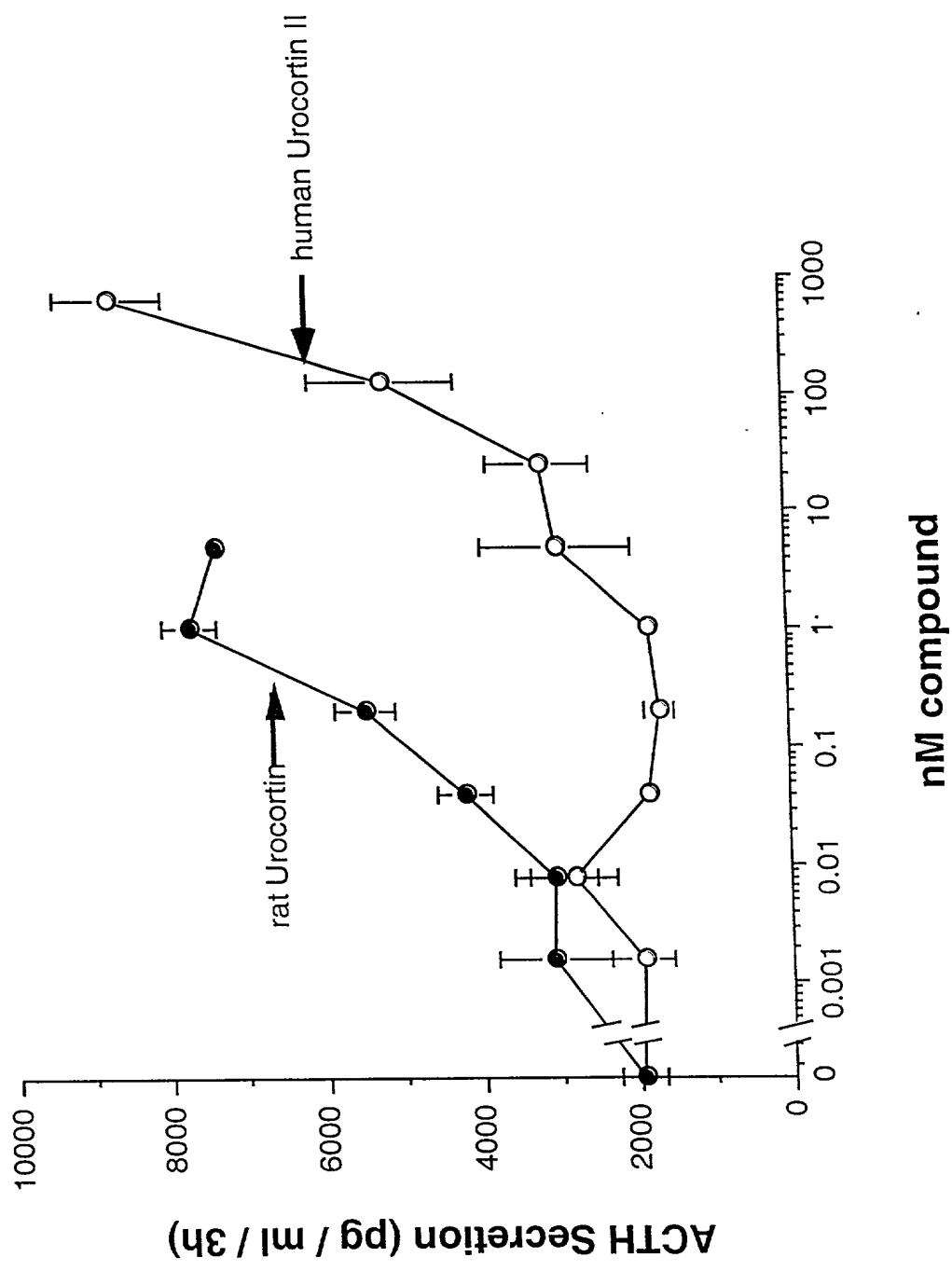


Fig. 11

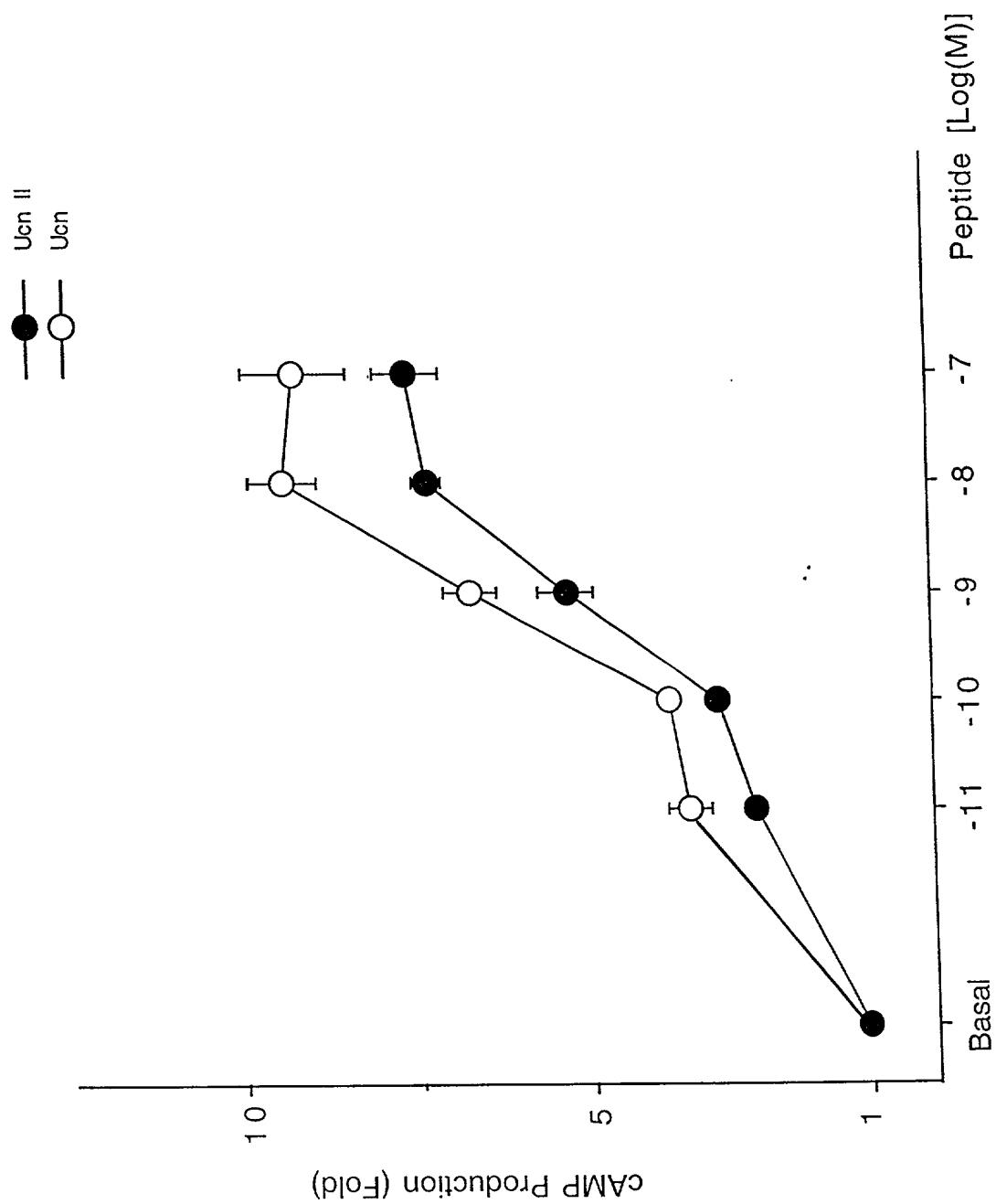
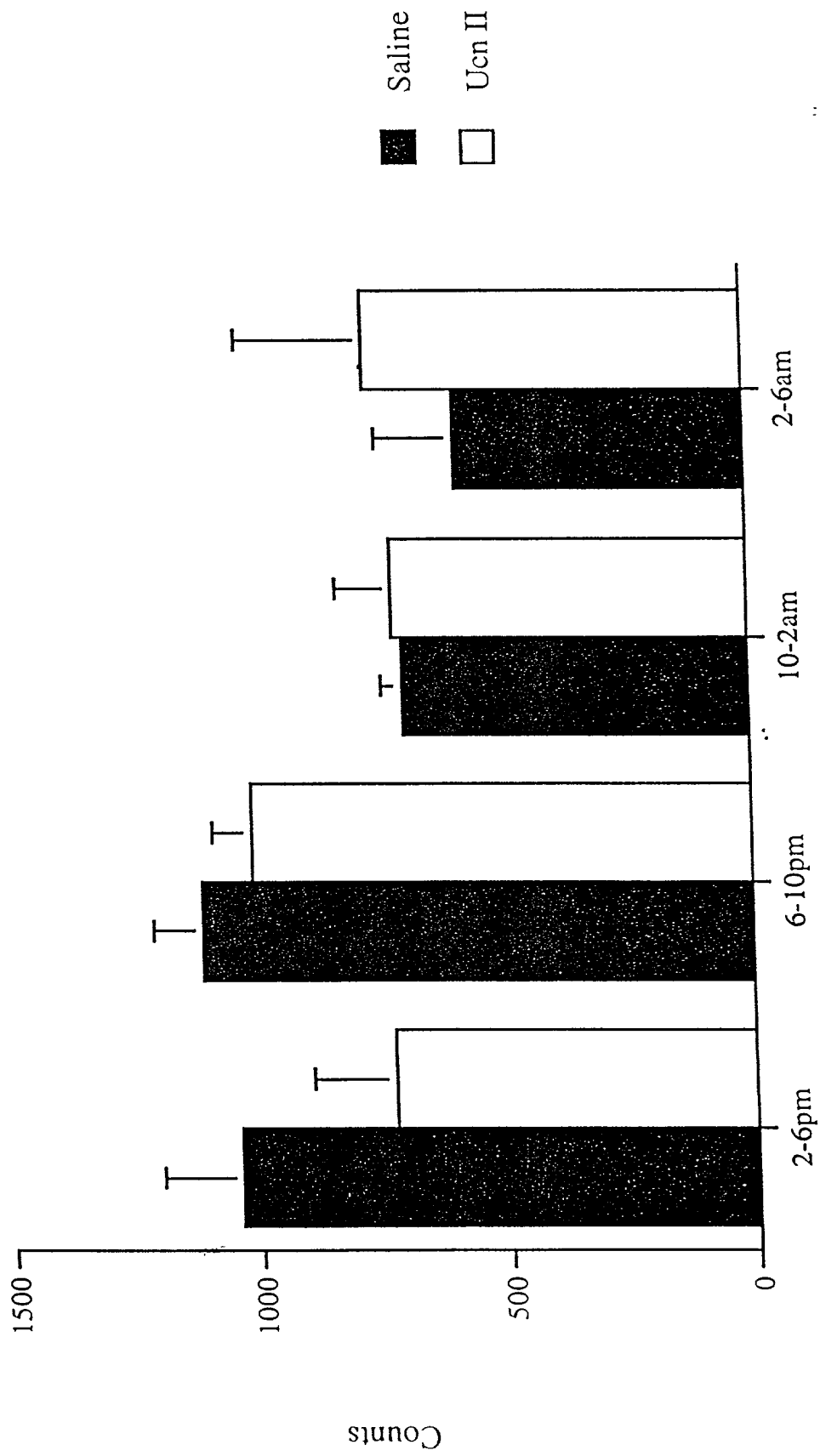


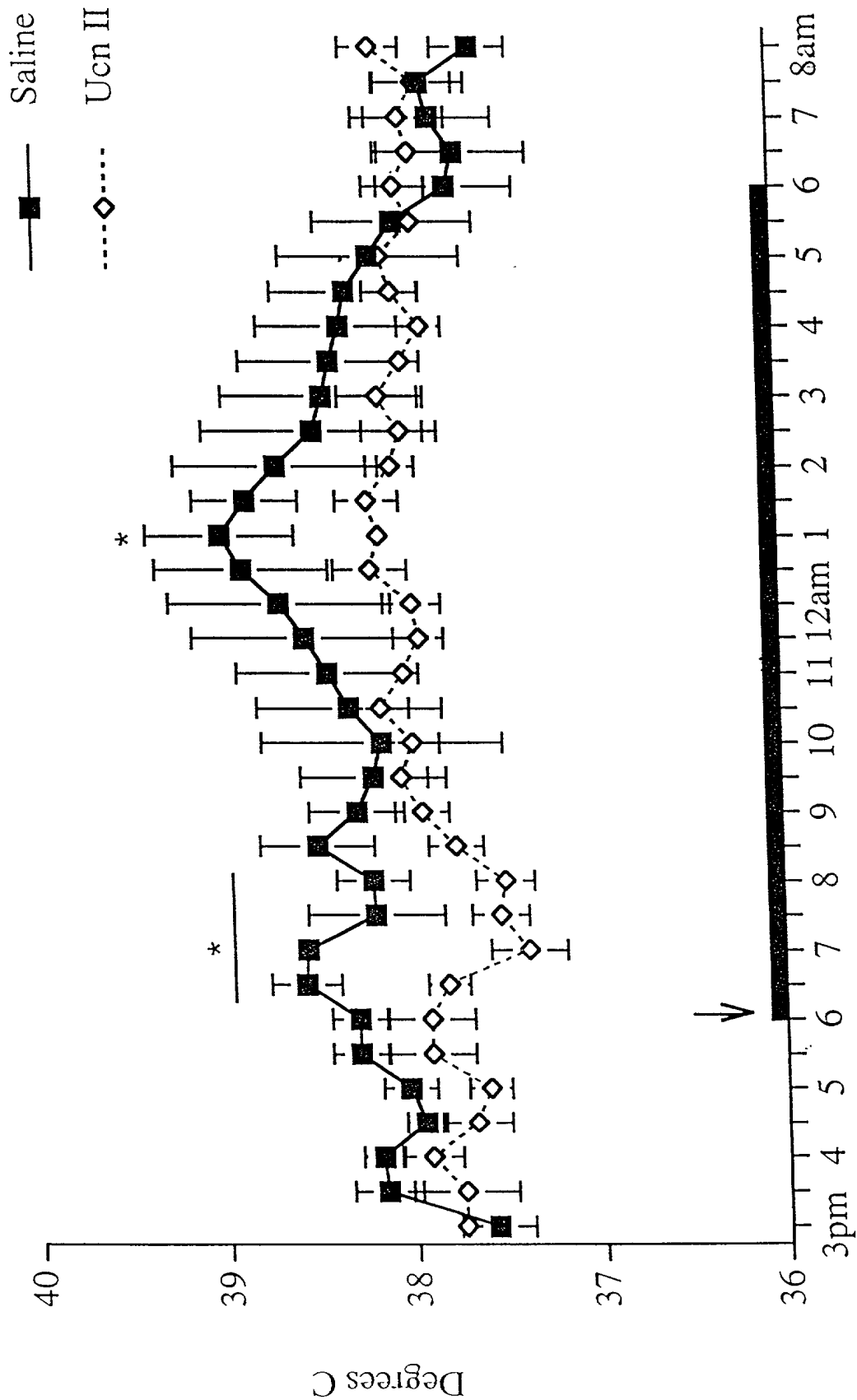
Fig. 12

Downloaded from www.physiology.org/journal/ajpcell by \$ from \$ on \$.



Time of Day

Fig. 13



Time of Day

Fig. 14

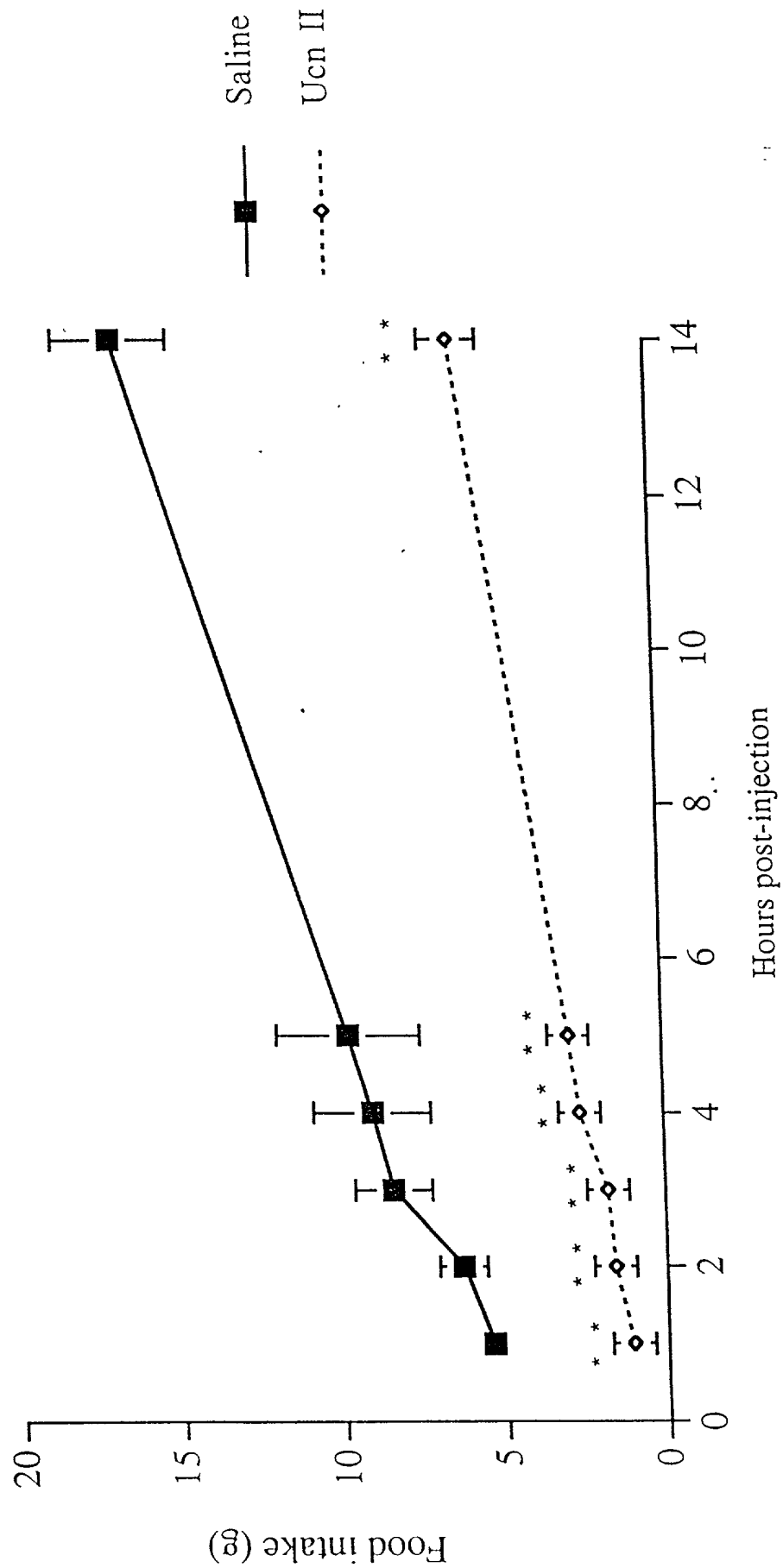


Fig. 15A

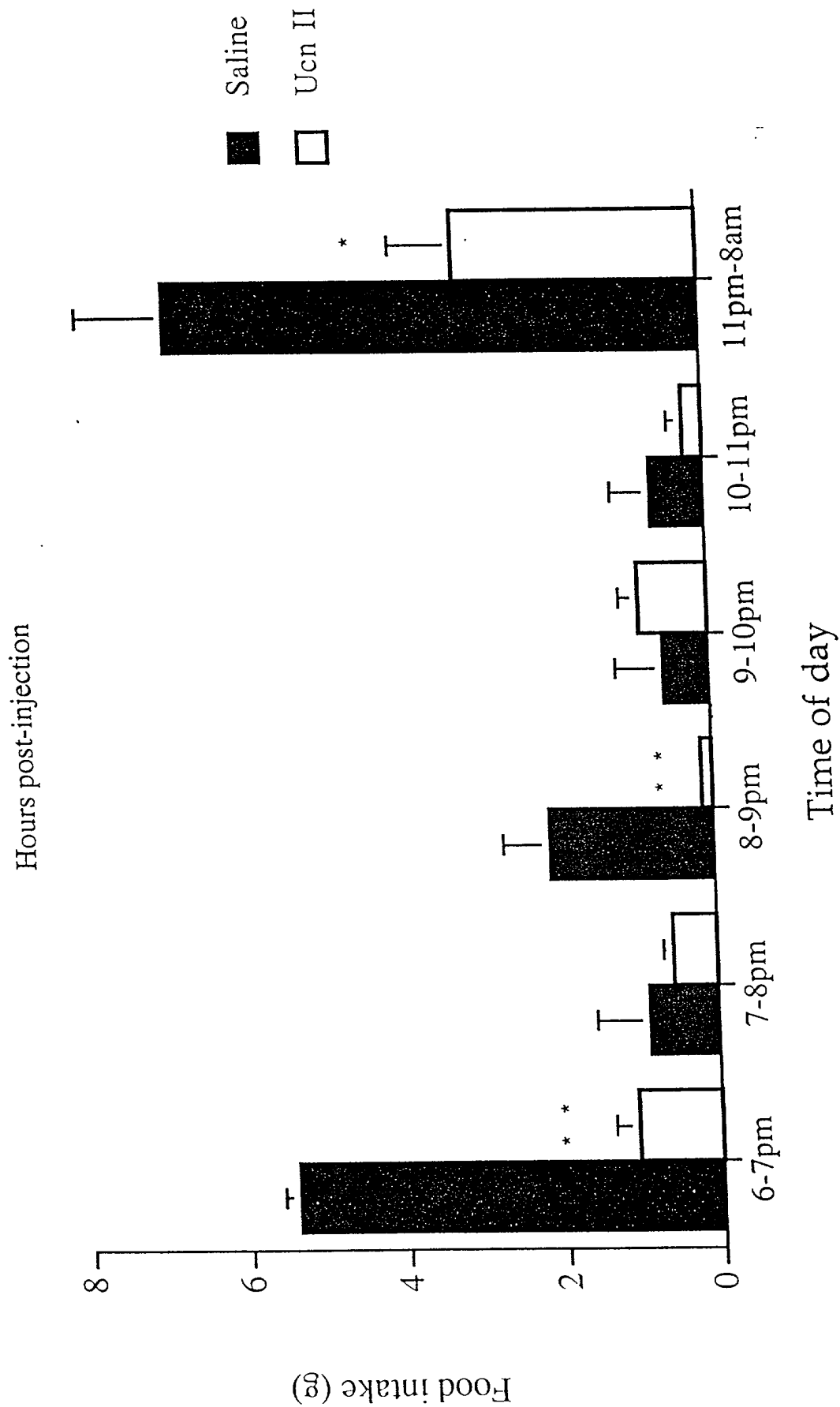


Fig. 15B

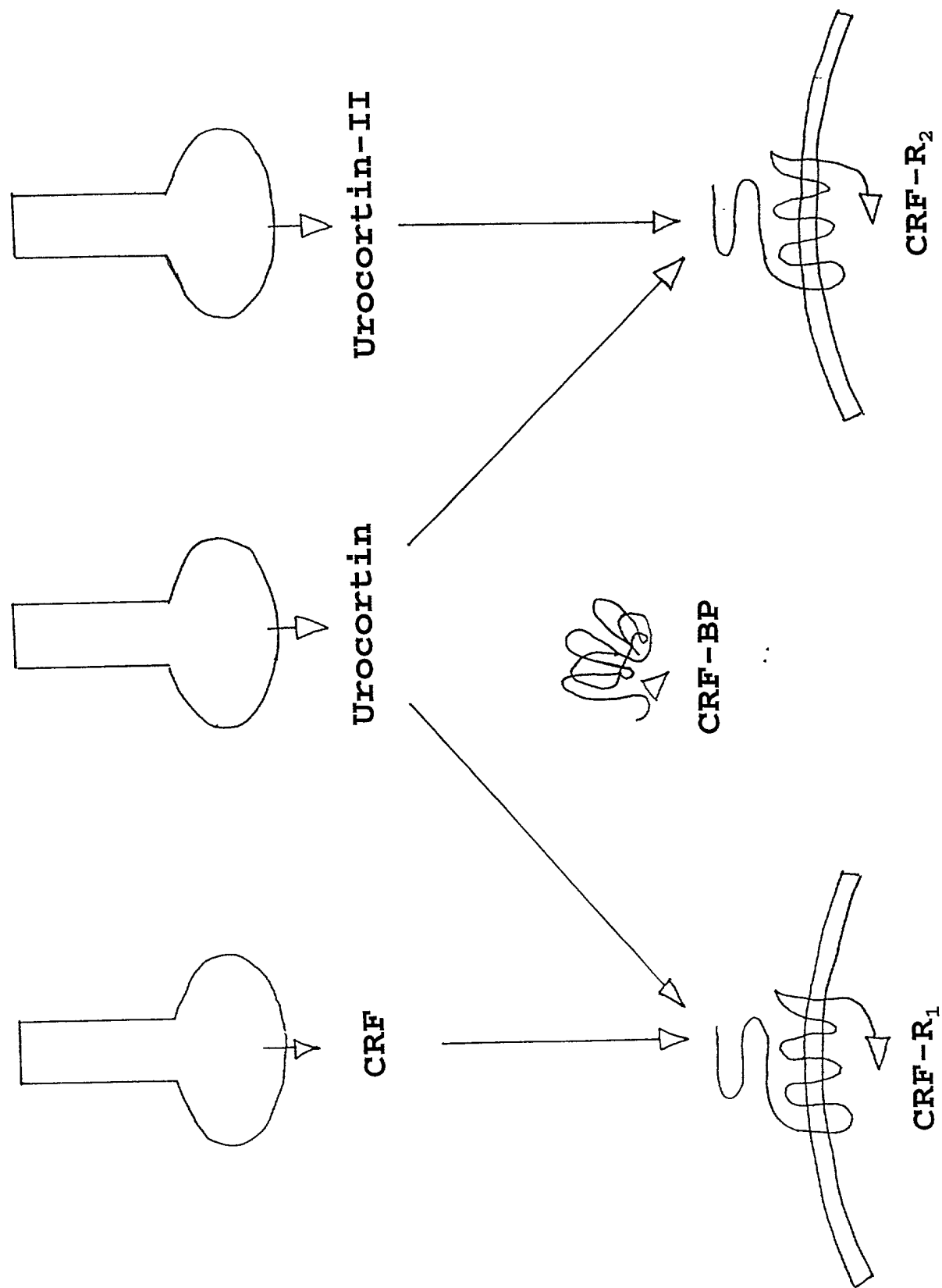


Fig. 16